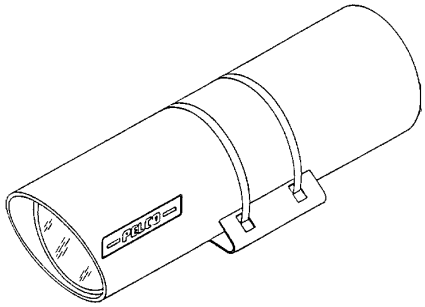

EH8000 Series Pressurized Camera Enclosures

Installation/ Operation Manual

C418M (8/97)

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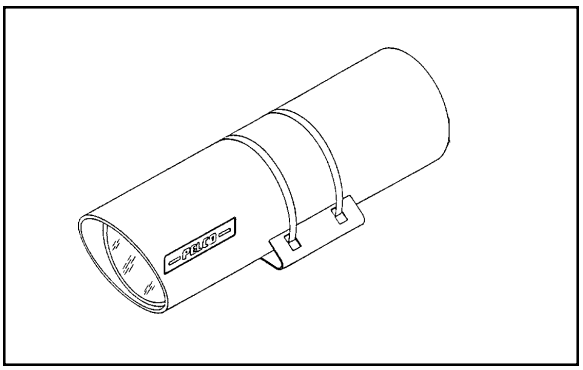
INSTALLATION/OPERATION MANUAL
MODEL EH8000 SERIES
PRESSURIZED CAMERA ENCLOSURES



1.0 SCOPE

The information contained within this manual covers the installation and operation of the EH8004, EH8006, EH8006-26, and the EH8008 environmental enclosures.

1.1 WARNINGS

Prior to installation and use of this product, the following WARNINGS should be observed.

1. Installation and servicing should only be done by Qualified Service Personnel and conform to all Local Codes.

2. Unless the enclosure is specifically marked as a NEMA Type 3-6P enclosure, it is designed for Indoor use only and it must not be installed where exposed to rain and moisture.

3. The product and/or manual may bears the following marks:

This symbol indicates the dangerous voltage constituting a risk of electric shock is present within this unit.

CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION:
RISK OF ELECTRIC SHOCK. DO NOT OPEN.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

4. Only use replacement parts recommended by Pelco.

5. After replacement/repair of this unit's electrical components, conduct resistance measurements between line and exposed parts to verify the exposed parts have not been connected to line circuitry.

6. The installation method and materials should be capable of supporting four (4) times the weight of the enclosure, pan/tilt, camera and lens combination.

Please thoroughly familiarize yourself with the information in this manual prior to installation and operation.

2.0 DESCRIPTION

The EH8000 series enclosures are sealed and pressurized camera enclosures designed to protect CCTV camera/lens from adverse environmental conditions.

The EH8000 series enclosures are constructed of aluminum which resists corrosion and may be used in a wide range of chemical environments such as acetate solvents, acetone, alcohol, ether, freon, gasoline, hydrocarbons, hydrogen peroxide, oxygen, sulfur, and turpentine.

The enclosures are <u>not</u> recommended for use in sodium hydroxide, potassium hydroxide, phosphorous pentoxide, hydroxides, ferric nitrate, bleaching solutions or acid salts environments.

2.1 MODEL NUMBERS

EH8004	4" (10.16 cm) diameter, 17" (43.18 cm) long pressurized camera enclosure with lens preset capabilities. Provided with one (1), 40 watt heater.
EH8006	6" (15.24 cm) diameter, 20" (50.80 cm) long pressurized camera enclosure with lens preset capabilities. Provided with two (2), 80 watt heaters.
EH8006-26	6" (15.24 cm) diameter, 26" (66.04 cm) long pressurized camera enclosure with lens preset capabilities. Provided with two (2), 80 watt heaters.
EH8008	8" (20.32 cm) diameter, 26" (66.04 cm) long pressurized camera enclosure with lens preset capabilities. Provided with two (2), 80 watt heaters.

2.2 OPTIONAL ACCESSORIES

SS8004	Sun shroud for EH8004, designed to reduce internal enclosure temperature when the enclosure is subjected to direct sunlight.
SS8006	Same as SS8004 except for use with EH8006 enclosure.
SS8006-26	Same as SS8004 except for use with EH8006-26 enclosure.
SS8008	Same as SS8004 except for use with EH8008 enclosure.
EH8004ORKIT	O-ring kit, including desiccant bags, for EH8004. Required only if O-rings have been damaged during servicing.
EH8006ORKIT	O-ring kit, including desiccant bags, for EH8006.
EH8008ORKIT	O-ring kit, including desiccant bags, for EH8008.
EH8000LUBE	O-ring lubrication kit for EH8000 series enclosures. Recommended for lubing O-rings when servicing.
EH8000RKIT	Dry nitrogen recharging kit for EH8004, EH8006, and EH8008. Kit includes pressure regulator and nitrogen.

2.3 RECOMMENDED MOUNTS

AH2000	Manually adjustable head. Use with PM2000, PM2010 or WM2000 mounts.
EM22	Medium duty wall mount; supports up to 40 lbs (18.14 kg). (Use with EH8004/EH8006 only.)
MM22	Medium duty ceiling/pedestal mount; supports up to 40 lbs (18.14 kg). (Use with EH8004/EH8006 only.)
PA2000	Adapter plate for medium duty pan/tilts. Use with WM2000 mount.
PM2000	24" (60.96 cm) high ceiling/pedestal mount; supports up to 125 lbs (56.70 kg).
PM2010	Same as PM2000 except 10" (25.4 cm) high.
WM2000	Wall mount; supports up to 75 lbs (34.02 kg).

2.4 RECOMMENDED CONTROLS

CM7500/CM8500/ CM9500 Series	Coaxitron Matrix, System 7500, 8500 or 9500 controls and preset receiver are required for use with preset lenses. Consult factory for details.
MEHDT	Desk top enclosure control designed to provide 120 VAC power to enclosure for powering heater, cameras, etc.
MEHDT/220	Same as MEHDT except 230 VAC input/230 VAC output.
MEH24DT	Desk top enclosure control designed to provide 24 VAC power to enclosure for powering heater, cameras, etc.

3.0 SPECIFICATIONS

ELECTRICAL

Input Voltage: 120 VAC (230 VAC optional) for heaters

Power Requirements:
40 watts (EH8004)
160 watts (all other models)

Connector: Souriau 85107E2016P, 16-pin jam nut receptacle

Mating Connector: Souriau 85106EC2016S, MS type connector (supplied)

Maximum Cable Distances:

Wire Gauge	EH8004	All Others
12	10,390 ft (3167 m)	2,640 ft (805 m)
14	6,560 ft (1999 m)	1,660 ft (506 m)
16	4,110 ft (1253 m)	1,040 ft (317 m)
18	2,590 ft (789 m)	650 ft (198 m)
20	1,620 ft (494 m)	410 ft (125 m)

Heater: EH8004, one (1) 40 watt, 120/230 VAC; all others two (2) 80 watt, 120/230 VAC

GENERAL

Construction: Aluminum 6061 T6

Finish:
Outside: Gray polyester powder coat
Inside: Black anodized

Dimensions: See Figure 1

Front Window:
EH8004: 3.75" (9.52 cm) diameter tempered glass, 0.225" (0.57 cm) thick
EH8006: 6" (15.24 cm) diameter tempered glass, 0.225" (0.57 cm) thick
EH8008: 8" (20.32 cm) diameter tempered glass, 0.225" (0.57 cm) thick

Camera Mounting: Custom designed depending on camera/lens

Maximum Camera/Lens Size:
EH8004: 3.75" (9.53 cm) diameter x 14" (35.56 cm) long or 14"L x 2.8"W x 2.8"H (35.56 cm x 7.11 cm x 7.11 cm)
EH8006: 5.75" (14.61 cm) diameter x 18" (45.72 cm) long or 18"L x 4.25"W x 4.25"H (45.72 cm x 10.80 cm x 10.80 cm)
EH8006-26: 5.75" (14.61 cm) diameter x 24" (60.96 cm) long or 24"L x 4.25"W x 4.25"H (60.96 cm x 10.80 cm x 10.80 cm)
EH8008: 7.75" (19.69 cm) diameter x 24" (60.96 cm) long or 24"L x 5.65"W x 5.65"H (60.96 cm x 14.35 cm x 14.35 cm)

Enclosure Mounting: Adjustable cradle secured with stainless steel bands

Weight:

Model	Unit	Shipping
EH8004	10 lbs (4.54 kg)	12 lbs (5.44 kg)
EH8006	24 lbs (10.89 kg)	26 lbs (11.79 kg)
EH8006-26	32 lbs (14.51 kg)	34 lbs (15.42 kg)
EH8008	45 lbs (20.41 kg)	47 lbs (21.32 kg)

ENVIRONMENTAL

Ambient Operating Temperature: -40° to 122°F (-40° to 50°C) (with heater)

Vibration: 5 to 60 Hz with 0.082-inch (0.21 cm) total travel (15 g's at 60 Hz). From 60 to 1,000 Hz, 5 g's rms with random vibration

Altitude: Sea level to equivalent of 10,000 feet (3,048 m)

Acoustic Noise: Operates in 150 dB acoustic noise environments

Humidity: MIL-E-540T, para. 3.2.24.7. Up to 100% relative humidity. Equipped with standard Schraeder and pressure relief valves to provide positive internal pressure with dry nitrogen.

Sand and Dust: MIL-E-5400T, para. 3.2.24.7.

Fungus: MIL-E-5400T, para. 3.2.24.8.

Salt Atmosphere: MIL-E-5400T, para. 3.2.24.9.

Explosion: MIL-E-5400T, para. 3.2.24.10.

(Design and product specifications subject to change without notice.)

4.0 INSTALLATION

Please check the contents of your package before proceeding with the installation of the equipment to ensure that all the mating connectors and associated parts are present. If they are not, contact the factory to obtain a replacement.

Note: Fasteners to attach the enclosure to the fixed mount or pan/tilt are not provided in this package and are not available from Pelco.

4.1 ENCLOSURE MOUNTING — FIXED

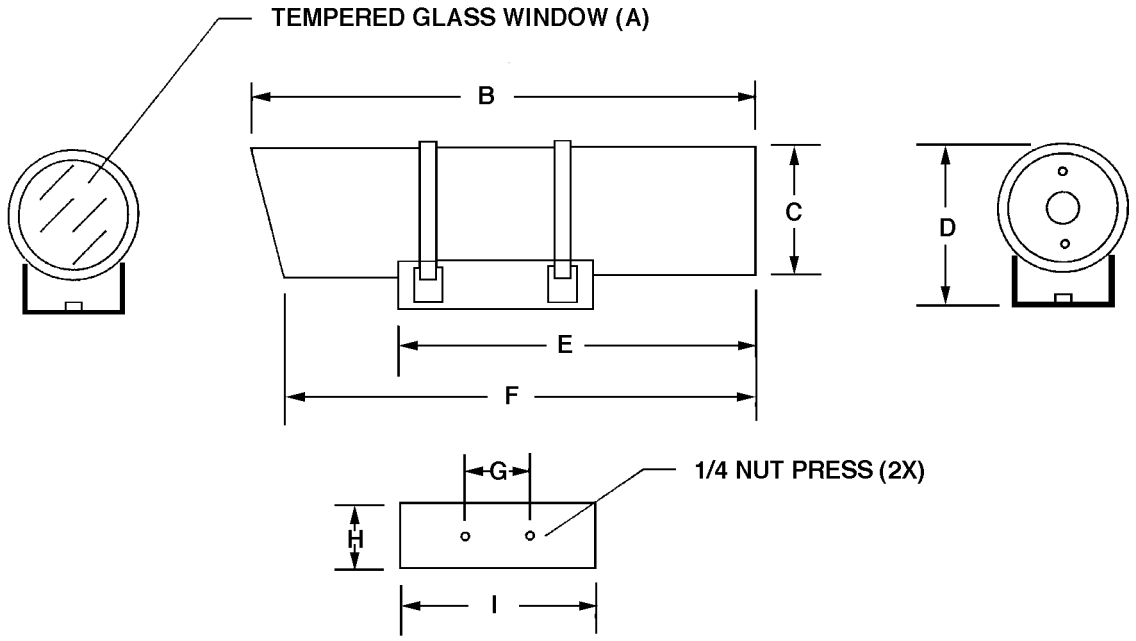
The enclosure can be mounted to either a wall mount or a ceiling/pedestal mount.

For proper mounting, refer to the mounting instructions accompanying the specific mount you are using.

To insure suitable load bearing, a minimum of 1/4-inch (0.63 cm) diameter fasteners should be used to secure the mount to the mounting surface.

The enclosure should be attached to the mount/pan/tilt by a minimum of two 1/4-20 fasteners.

Always use a service loop, as shown in Figure 2 and Figure 3, in order to prevent unnecessary entrance of water.



ENCLOSURE	A	B	C	D	E	F	G	H	I
EH8004	4.0 (10.16)	18.0 (45.72)	4.5 (11.43)	5.5 (13.97)	12.5 (31.75)	17.0 (43.18)	2.0 (5.08)	3.0 (7.62)	6.0 (15.24)
EH8006	6.0 (15.24)	22.0 (55.88)	6.5 (16.51)	7.0(17.78)	13.0 (33.02)	20.0 (50.80)	2.0 (5.08)	7.0(17.78)	6.0 (15.24)
EH8006-26	6.0 (15.24)	28.0 (71.12)	6.5 (16.51)	7.0(17.78)	16.0 (40.64)	26.0 (66.04)	2.0 (5.08)	7.0(17.78)	6.0 (15.24)
EH8008	8.0 (20.32)	28.0 (71.12)	8.5 (21.59)	9.0 (22.86)	16.0 (40.64)	26.0 (66.04)	2.0 (5.08)	7.0(17.78)	6.0 (15.24)

NOTE: VALUES IN PARENTHESES ARE CENTIMETERS; ALL OTHERS ARE INCHES

Figure 1. EH8000 Series Enclosures Dimension Drawing

4.2 ENCLOSURE MOUNTING — PAN/TILT

The enclosure can be mounted to a pan/tilt which is mounted to a wall or ceiling.

For proper mounting, refer to the mounting instructions accompanying the specific mount and pan/tilt you are using.

To insure suitable load bearing, a minimum of 1/4-inch (0.63 cm) diameter fasteners should be used to secure the mount and/or pan/tilt to the mounting surface.

The enclosure should be attached to the mount/pan/tilt by a minimum of two 1/4-20 fasteners.

Always use a service loop, as shown in Figure 4 and Figure 5, in order to prevent unnecessary entrance of water.

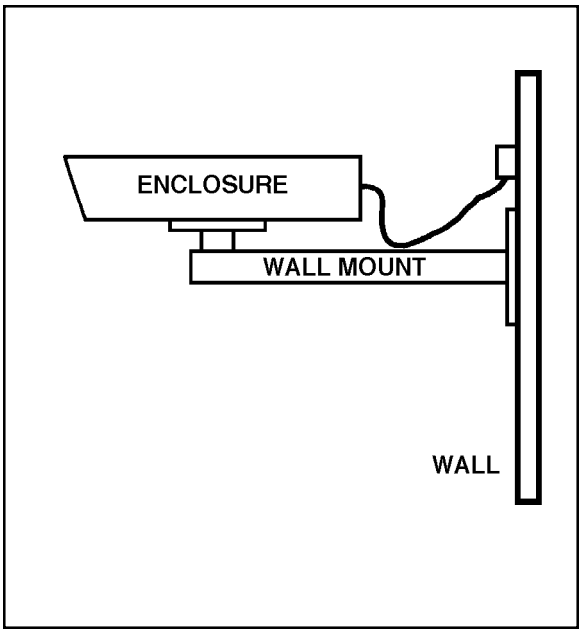


Figure 2. Typical Fixed Wall Mounting

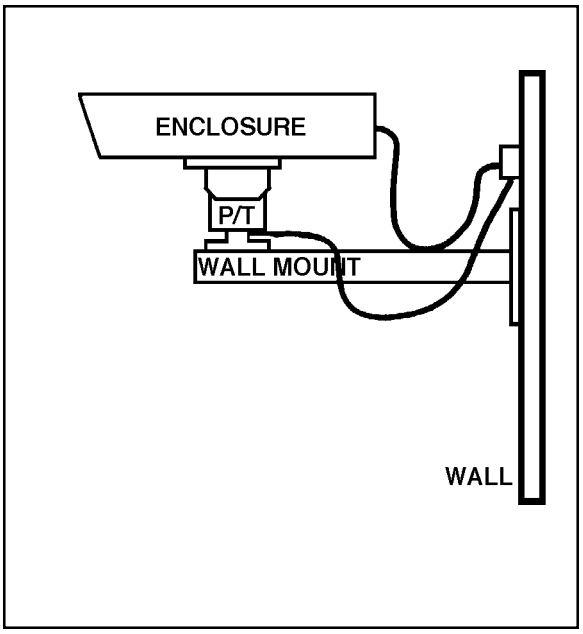


Figure 4. Typical Pan/Tilt Wall Mounting

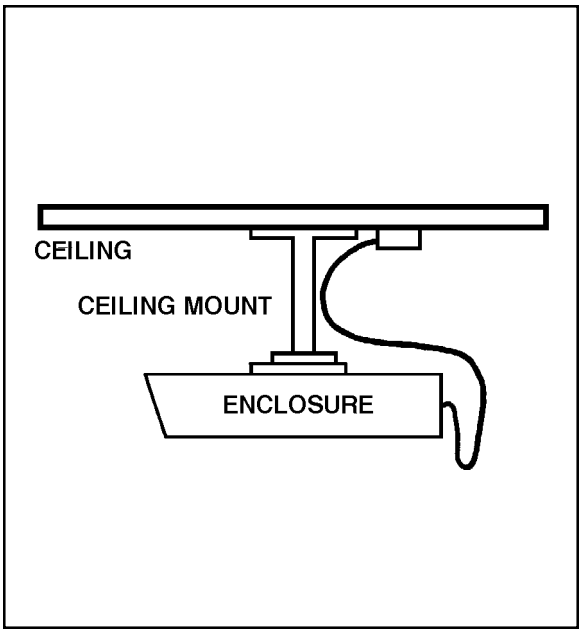


Figure 3. Typical Fixed Ceiling Mounting

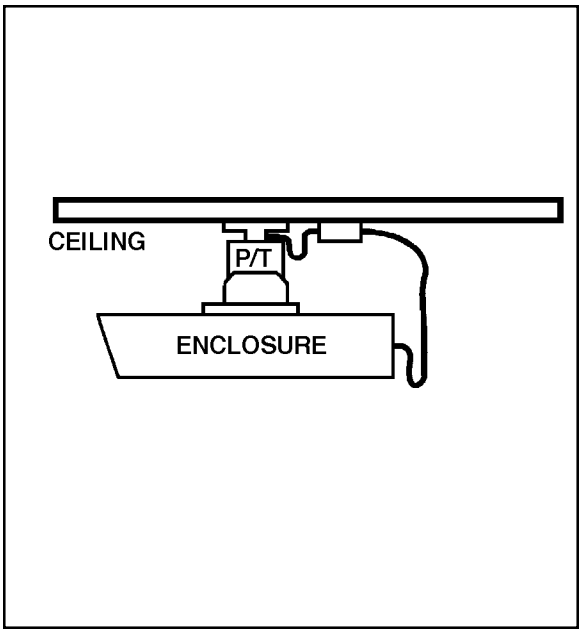


Figure 5. Typical Pan/Tilt Ceiling Mounting

4.3 CAMERA/LENS INSTALLATION AND ADJUSTMENTS

To install the camera/lens combination, perform the following steps:

1. Disassemble the enclosure as specified in the Maintenance Section, Section 7.0.

> **CAUTION**
>
> Pressure must be released prior to opening the enclosure or personal injury may result.

2. Install the camera/lens on the camera sled (Figure 10, item 11) by screwing the camera to the sled.

3. The enclosure power, lens functions and camera power should be connected as follows (also see Figures 7 and 8):

Pin #	Function
A	Video core
B	Video shield
E	Camera AC (high)
F	Camera AC (low)
G	Ground
H	Enclosure AC (high)
K	Iris
L	Focus
M	Zoom
N	Lens Common
P	Enclosure AC (low)

The EH8004, EH8006, EH8006-26 and EH8008 also include lens preset capabilities. Connections are as follows (refer to Figures 7 and 8):

Pin#	Function
C	Preset Positioning +5 V
D	Preset Positioning Common
R	Preset Positioning Focus
S	Preset Positioning Zoom

Reinstall the camera sled into the body by following the steps shown in the Maintenance, Section 7.3.

4.4 MATING CONNECTOR ASSEMBLY

To assemble the 16 or 11 pin mating connector for the EH8000 Series Enclosures, perform the following steps and refer to Figure 6. Note that enclosures supplied with an 11 pin connector will be wired according to the diagram in the bottom half of Figure 7 or 8.

1. Pass the coax and the enclosure control cable through the cable clamp body (item 5), the cable grommet (item 4), and the seal ring (item 3), in that order. Push those components down the cable approximately 10 inches (25 cm) to allow yourself room to work.

2. Strip the outer jacket from the coax and the control cable back 2 inches. Strip the individual conductors of the control cable back 1/4 inch (0.63 cm).

3. Separate the coax shield from the core insulation and twist into a single strand. Strip the core insulation back 1 inch (3 cm).

4. Insert the individual conductors into the appropriate holes into the sealing grommet (item 2) and force them through.

5. Solder the individual conductors to the appropriate pins in the connector body (item 1).

6. Push the sealing grommet (item 2) into the back of the connector body (item 1).

7. Slide the seal ring (item 3), the cable grommet (item 4), and the cable clamp body (item 5) forward to the connector body.

8. Thread the cable clamp body (item 5) onto the connector body (item 1) and tighten.

9. Position the cable clamp halves (item 6), and attach with the hardware supplied (items 7 and 8). The cable clamp halves should apply pressure to the cable grommet (item 4). Tighten all hardware.

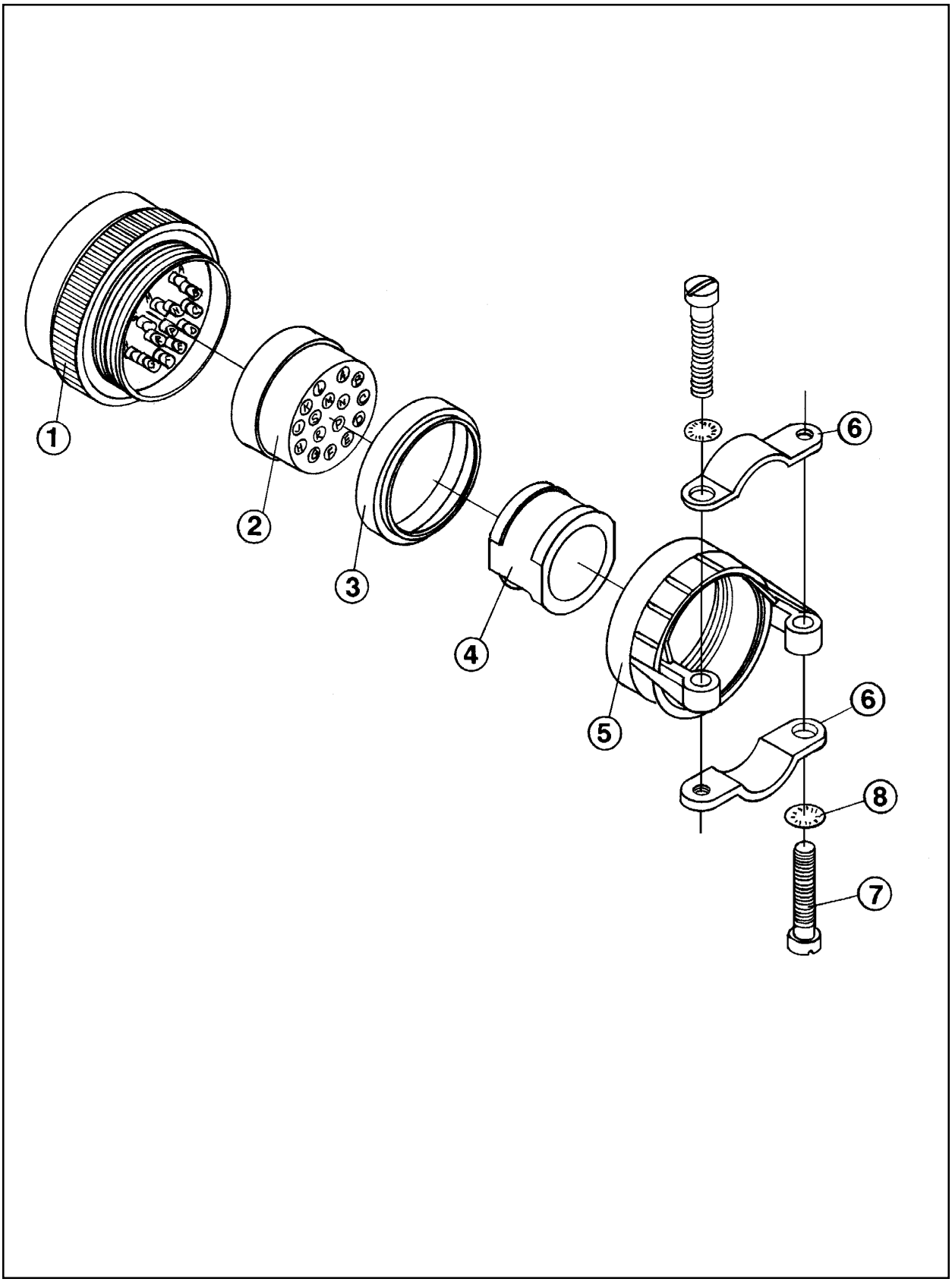
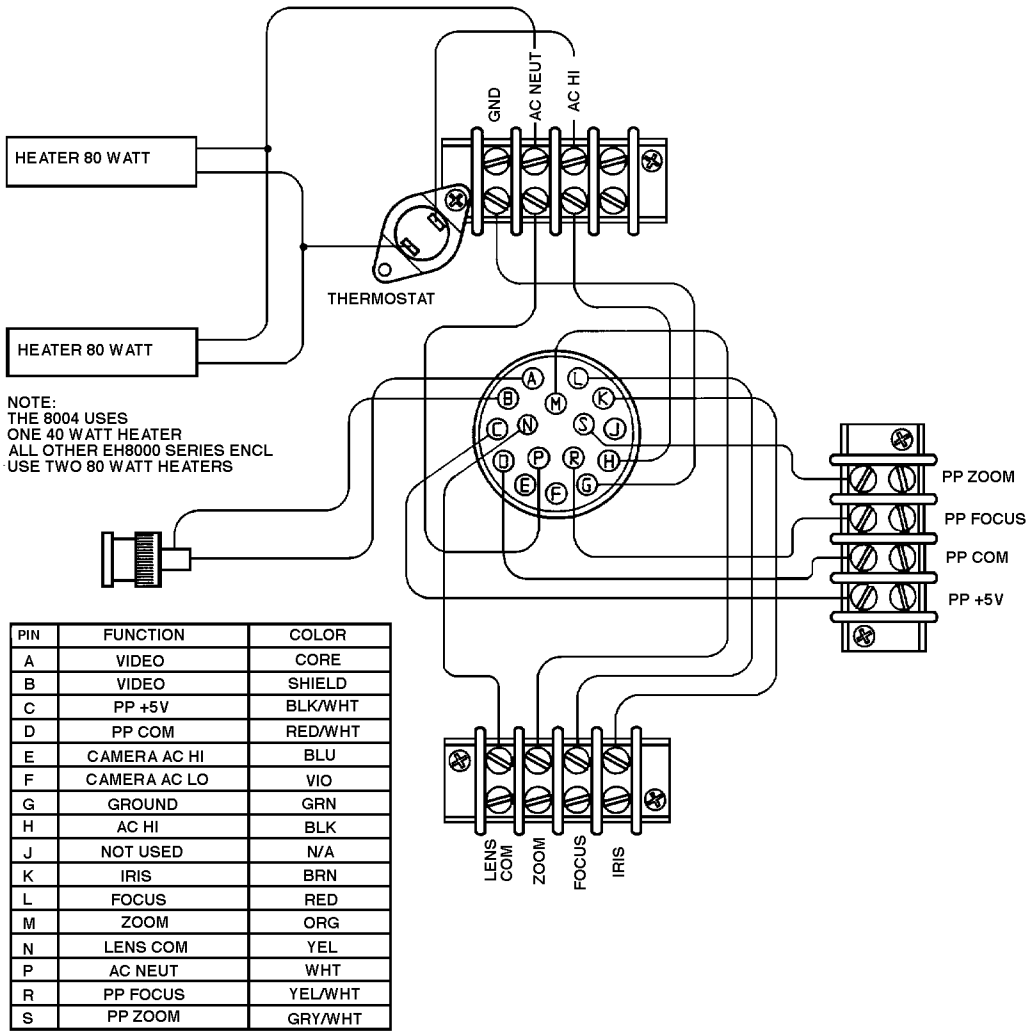


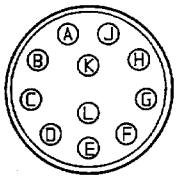
Figure 6. EH8000 Series Mating Connector Assembly Diagram



PIN	FUNCTION	COLOR
A	VIDEO	CORE
B	VIDEO	SHIELD
C	PP +5V	BLK/WHT
D	PP COM	RED/WHT
E	CAMERA AC HI	BLU
F	CAMERA AC LO	VIO
G	GROUND	GRN
H	AC HI	BLK
J	NOT USED	N/A
K	IRIS	BRN
L	FOCUS	RED
M	ZOOM	ORG
N	LENS COM	YEL
P	AC NEUT	WHT
R	PP FOCUS	YEL/WHT
S	PP ZOOM	GRY/WHT

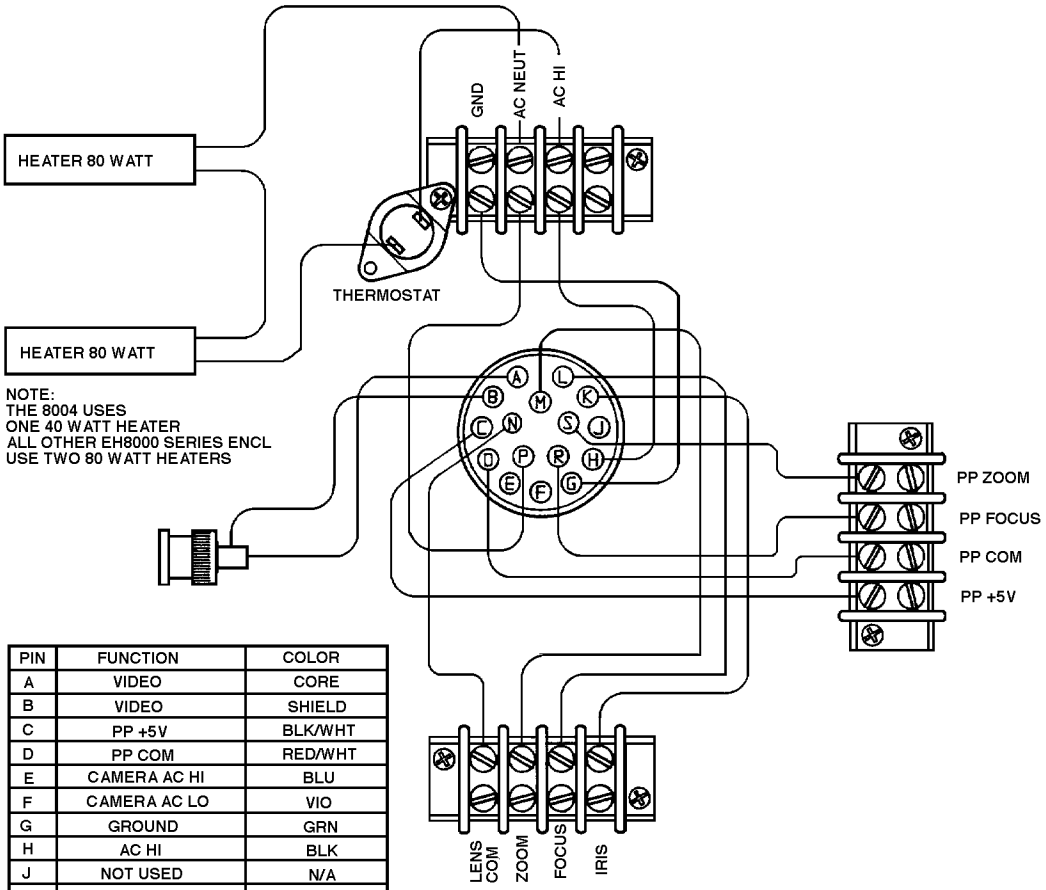
EH8000 SERIES 120 VAC WIRING/ 16 PIN CONNECTOR

PIN	FUNCTION	COLOR
A	VIDEO CORE	CORE
B	VIDEO SHIELD	SHIELD
C	CAMERA AC (HIGH)	BLU
D	CAMERA AC (LOW)	VIO
E	GROUND	GRN
F	ENCL AC (HI)	BLK
G	IRIS	BRN
H	FOCUS	RED
J	ZOOM	ORG
K	LENS COMM	YEL
L	ENCL AC (LOW)	WHT



EH8000 SERIES WIRING/ 11 PIN CONNECTOR

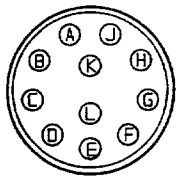
Figure 7. EH8000 Series Wiring Diagram, 120 VAC (16 or 11 Pin Connector)



PIN	FUNCTION	COLOR
A	VIDEO	CORE
B	VIDEO	SHIELD
C	PP +5V	BLK/WHT
D	PP COM	RED/WHT
E	CAMERA AC HI	BLU
F	CAMERA AC LO	VIO
G	GROUND	GRN
H	AC HI	BLK
J	NOT USED	N/A
K	IRIS	BRN
L	FOCUS	RED
M	ZOOM	ORG
N	LENS COM	YEL
P	AC NEUT	WHT
R	PP FOCUS	YEL/WHT
S	PP ZOOM	GRY/WHT

EH8000 SERIES 230 VAC WIRING/16 PIN CONNECTOR

PIN	FUNCTION	COLOR
A	VIDEO CORE	CORE
B	VIDEO SHIELD	SHIELD
C	CAMERA AC (HIGH)	BLU
D	CAMERA AC (LOW)	VIO
E	GROUND	GRN
F	ENCL AC (HI)	BLK
G	IRIS	BRN
H	FOCUS	RED
J	ZOOM	ORG
K	LENS COMM	YEL
L	ENCL AC (LOW)	WHT



EH8000 SERIES WIRING/11 PIN CONNECTOR

Figure 8. EH8000 Series Wiring Diagram, 230 VAC (16 or 11 Pin Connector)

4.5 SUN SHROUD INSTALLATION

The sun shroud provides an air space between itself and the enclosure to protect the enclosure from the direct rays of the sun and reduces the internal temperature of the enclosure approximately 10-15° F (-12.22°-9.44° C).

To install the sun shroud, perform the following steps (see Figure 9):

1. Insert the mounting straps through the holes in the standoffs inside the shroud.
2. Align the sun shroud.
3. Fasten the mounting straps securely around the enclosure.

5.0 OPERATION

To ensure proper operation, the unit should be installed as previously stated and wired in accordance with Figures 7 and 8.

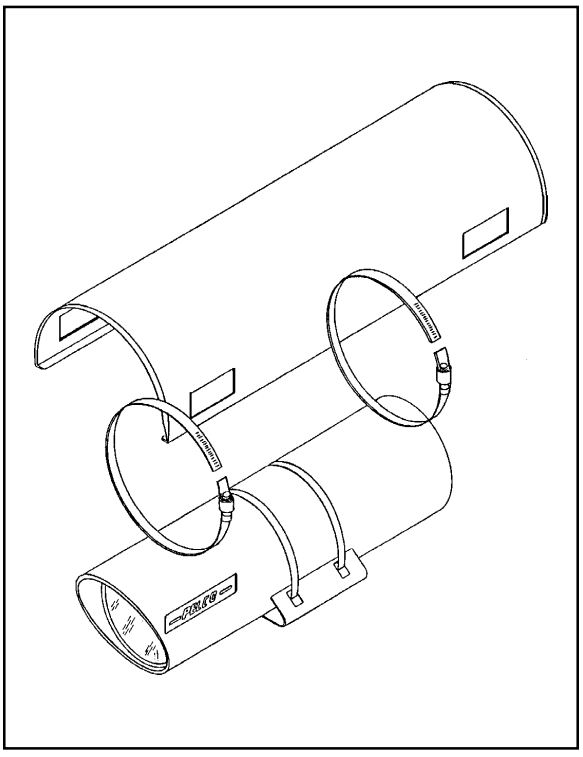


Figure 9. EH8000 Series Sun Shroud Installation

5.1 SYSTEM TEST

1. Power up the camera.
2. Check the operation of the lens functions such as focus, zoom, and iris.

6.0 TROUBLESHOOTING GUIDELINES

1. Once the camera has been powered up and no picture is present on the monitor, take the following steps:
   a. Verify that the video monitor has been properly terminated.
   b. If the monitor is properly terminated, open and close the iris to see if a picture appears.
   c. If adjusting the iris does not yield a picture, check the camera for proper voltage.
   d. If the above do not restore a picture, contact Pelco's Technical Assistance Program (TAP) at 1-800-289-9100.

7.0 MAINTENANCE

At a minimum frequency of once each year, the enclosure should be routinely recharged. Additionally, if the enclosure must be opened for servicing, the enclosure would also need to be recharged. The following instructions explain how to disassemble the enclosure, reassemble and charge it.

7.1 ENCLOSURE DISASSEMBLY

1. Disconnect the power from the enclosure.
2. Remove the mating connector from the rear of the enclosure by turning the outer ring counterclockwise until a click is felt; then pull the mating portion of the connector off. You may elect to remove the enclosure from its mount which will make the disassembly process much easier.
3. Remove the center cap from the Schraeder valve. (See Figure 10, item 6).
4. Relieve internal enclosure pressure by de pressing and holding down the center stem of the Schraeder valve. (See Figure 10, item 6).

CAUTION: Pressure must be released prior to opening the enclosure or personal injury may result.

5. Once the internal pressure has been relieved, use a screwdriver to pry the end of the spiral retaining ring (Figure 10, item 5) from the retaining ring groove in the enclosure body.

6. Next, pull on the "T" handle to remove rear plate from housing. If necessary, use a screwdriver and brace against the hex portion of the filler valve on the rear plate; grab the "T" handle and work back and forth to remove rear plate.

7.2 ENCLOSURE SERVICING

Whenever the enclosure is disassembled for servicing, it should be recharged after reassembly and prior to installation.

Recharging requires the use of a Pelco EH8000RKIT recharge kit (or equivalent) and applicable O-ring kit, part # EH8004ORKIT, EH8006ORKIT or EH8008ORKIT.

To prepare the enclosure for recharging, follow the steps below.

1. Once the enclosure has been disassembled as mentioned above, remove the O-ring from the rear plate (Figure 10, item 12) and install a new O-ring in the O-ring grove in the rear plate.

2. When the new O-ring has been installed in the rear plate, smear a liberal amount of the O-ring lubricant provided with the EH8000 O-ring kit on the exterior surface of the O-ring and rear plate. Replace the desiccant bag in the enclosure with a new one provided with the kit.

3. Slide the camera sled (Figure 10, item 11) back into the body (Figure 10, item 10) making sure the front lip of the sled is under the retaining bracket of the enclosure. When fully installed, the rear plate (Figure 10, item 12) will fit firmly into the rear opening of the housing and the retaining grove will be fully visible.

4. Reinstall the spiral retaining ring (Figure 10, item 5) in the retaining grove in the rear of the enclosure.

5. Proceed to Section 7.3 for recharging instructions.

7.3 RECHARGING THE ENCLOSURE

WARNING! Prior to recharging, make sure the regulator is preset to a pressure not exceeding 5 lbs.
Exceeding 5 lbs will damage the enclosure.

1. Pressurize the inside of the enclosure using the EH8000RKIT recharge kit only. Connect the regulator to the tank by threading the nut into the socket of the tank valve and tighten with a wrench. This regulator is factory preset for 5 PSI. Do not attempt to readjust the regulator.

Note: Before turning tank valve on, be sure that regulator valve is totally open.

2. Once the regulator has been secured to the tank, open the tank valve.

3. Using the self-holding tire chuck, apply pressure to the enclosure by affixing the tire chuck to the Schraeder valve on the rear of the enclosure. You must remove the Schraeder valve cap first.

4. Remove the plastic cap on the pressure relief valve on the rear of the enclosure. Using a small screwdriver to hold it open. At this point, allow the nitrogen to flow through the enclosure until the humidity indicator registers the lowest humidity level (changing color from green/blue to pink). The humidity indicator can be viewed through the front window of the enclosure looking at the inside top of the enclosure. Once the humidity indicator registers the lowest level, remove the screwdriver and allow nitrogen to continue to flow into the enclosure until you no longer hear the flow of nitrogen from the tank to the enclosure.

Hint: Having the window of the enclosure point up toward the sky will greatly reduce the purge time necessary to remove oxygen from the enclosure.

5. Remove the tire chuck from the Schraeder valve and apply the Schraeder valve cap. Also, replace the plastic cap on the pressure relief valve. The enclosure is ready for service.

8.0 EXPLODED ASSEMBLY DIAGRAM

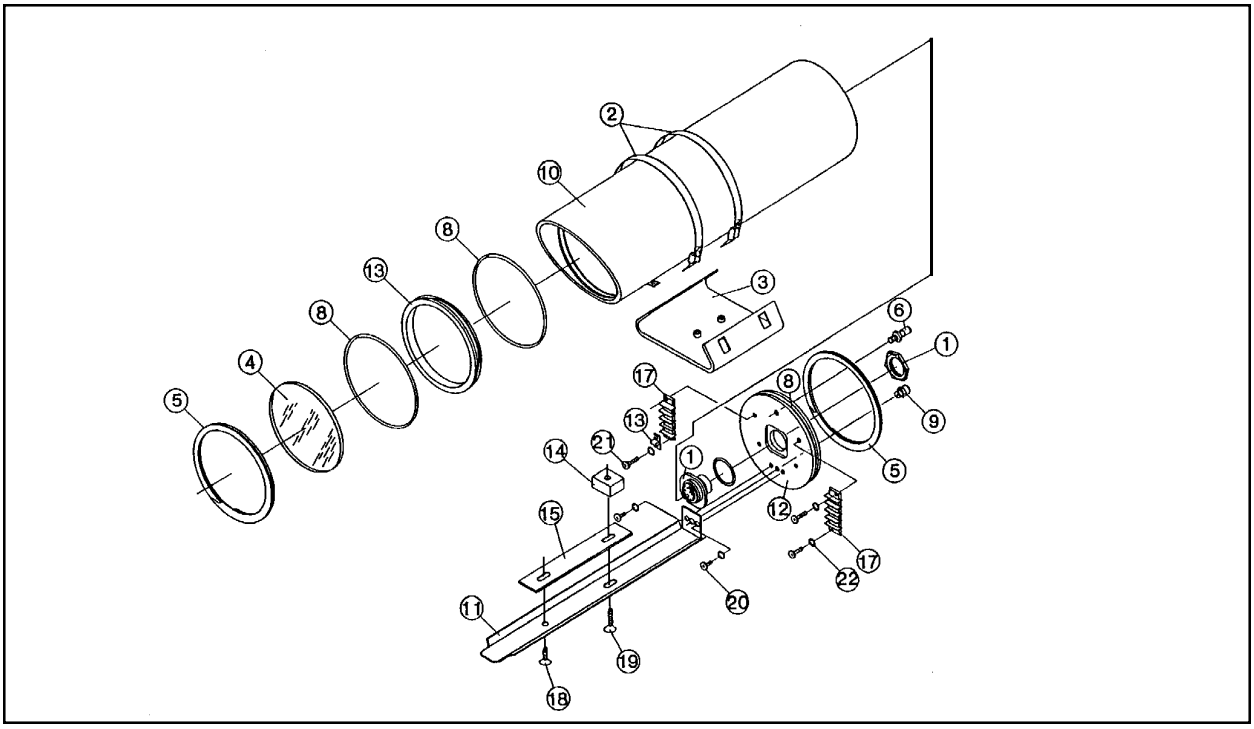


Figure 10. EH8000 Series Enclosures Exploded Assembly Diagram

9.0 EH8000 SERIES ENCLOSURES MECHANICAL PARTS LIST

The following parts lists correspond to Figure 10.

EH8004 MECHANICAL PARTS LIST

Item No.	Qty	Description	Part Number
1	1	Connector, solder receptacle jam nut	CON85107E2016P
2	2	Strap, cradle	E7064004COMP
3	1	Cradle enclosure	E7084003COMP
4	1	Glass, 4.105" diameter x .225"	EH800410000
5	2	Ring, retaining, spiral SS	EH800410001
6	1	Valve, tank, Schraeder 9166-L8	EH800610004
7	1	Bag, desiccant	EH800610005
8	3	“O” RING	EH800410006
9	1	Valve, pressure relief	EH800610007
10	1	Body assembly	EH8001000WA
11	1	Camera sled	EH80044001COMP
12	1	Rear plate	EH80044002COMP
13	1	Sealing ring, window	EH80044003COMP
14	1	Not used	—
15	1	Not used	—
16	1	Terminal block jumper	TRB140-J-1
17	2	Terminal block, 4-position	TRB4-140
18	1	Screw, 1/4-20 x .375 flat, Phillips Hd, SS	ZH1/4-20X.375SP
19	1	Screw, 1/4-20 x .125 flat, Phillips Hd, SS	ZH1/4-20X1.25SP
20	2	Screw, 6-32 x 1/4" pan, Phillips Hd, SS	ZH6-32X.250SPP
21	4	Screw, 6-32 x 1/2" pan, Phillips Hd, SS	ZH6-32X.500SPP
22	6	Washer, internal star #6, SS	ZH6LWSIS

EH8006, EH8006-26 MECHANICAL PARTS LIST

Item No.	Qty.	Description	Part Number
1	1	Connector, solder receptacle jam nut	CON85107E2016P
2	2	Strap, cradle	E7064004COMP
3	1	Cradle enclosure	E7084003COMP
4	1	Glass, 6.100" diameter x .225"	EH800610000
5	2	Ring, retaining, spiral SS	EH800610001
6	1	Valve, tank, Schraeder 9466-L8	EH800610004
7	1	Bag, Desiccant	EH800610005
8	3	“O” RING	EH800610006
9	1	Valve, pressure relief	EH8000610007
10	1	Body assembly	EH80064000COMP
11	1	Camera sled	EH80064001COMP
12	1	Rear plate	EH80064002COMP
13	1	Sealing ring, window	EH80064003COMP
14	1	Elevation block	EH80064004COMP
15	1	Camera sled spacer	EH80064006COMP
16	1	Terminal block jumper	TRB140-J-1
17	3	Terminal block, 4-position	TRB4-140
18	1	Screw, 1/4-20 x .375 flat, Phillips Hd, SS	ZH1/4-20X.375SP
19	1	Screw, 1/4-20 x .125 flat, Phillips Hd, SS	ZH1/4-20X1.25SP
20	2	Screw, 6-32 x 1/4" pan, Phillips Hd, SS	ZH6-32X.250SPP
21	4	Screw, 6-32 x 1/2" pan, Phillips Hd, SS	ZH6-32X.500SPP
22	6	Washer, internal star #6, SS	ZH6LWSIS
23	1	Handle (not shown)	EHP10000
24	1	Screw, 10.24 x .750, self sealing (not shown)	EHP10001
25	1	Screw, 10-32 x .375, self sealing (not shown)	EHP10011

EH8008 MECHANICAL PARTS LIST

1	1	Connector, solder receptacle jam nut	CON85107E2016P
2	2	Strap, cradle	EHX8244166COMP
3	1	Cradle enclosure	EHD94270COMP
4	1	Glass, 8.100" diameter x .355"	EH800810000
5	2	Ring, retaining, spiral SS	EH800810001
6	1	Valve, tank, Schraeder 9466-L8	EH800610004
7	1	Bag, Dessiccant	EH800610005
8	3	“O” RING	EH800810006
9	1	Valve, pressure relief	EH800610007
10	1	Body assembly	EH80081000WA
11	1	Camera sled	EH80084001COMP
12	1	Rear plate	EH80084002COMP
13	1	Sealing ring, window	EH80084003COMP
14	1	Not used	—
15	1	Not used	—
16	1	Terminal block jumper	TRB140-J-1
17	3	Terminal block, 4-position	TRB4-140
18	1	Screw, 1/4-20 x .375 flat, Phillips Hd, SS	ZH1/4-20X.375SP
19	1	Screw, 1/4-20 x .125 flat, Phillips Hd, SS	ZH1/4-20X1.25SP
20	2	Screw, 6-32 x 1/4" pan, Phillips Hd, SS	ZH6-32X.250SPP
21	4	Screw, 6-32 x 1/2" pan, Phillips Hd, SS	ZH6-32X.500SPP
22	6	Washer, internal star #6, SS	ZH6LWSIS

Note: The mating connector for item #1 in all parts lists is part # CON85106EC2016S, which is not shown.

10.0 EH8000 SERIES ENCLOSURES ELECTRICAL PARTS LIST

Item No.	Qty.	Description	Part Number
1	1	Thermostat (not shown)	EH5510049A
2	1	Heater blanket (not shown), EH8004 only	EHWD10087
	2	Heater blanket (not shown), All other models	ED210048

11.0 WARRANTY AND RETURN INFORMATION

WARRANTY

Pelco will repair or replace, without charge, any merchandise proved defective in material or workmanship for a period of one (1) year after the date of shipment. Exceptions to this warranty are as noted below:

- Two (2) years on all standard motorized and fixed focal length lenses.
- Two (2) years on Legacy®, Intercept®, CM8500/CM9500/CM9750/CM9760 Matrix, Spectra™, DF5 Series and DF8 Fixed Dome products.
- Two (2) years on WW5700 series window wiper (excluding wiper blades).
- Two (2) years on cameras.
- Six (6) months on all pan and tilts, scanners or preset lenses used in continuous motion applications (e.g., preset scan, tour and auto scan modes).

Pelco will warranty all replacement parts and repairs for 90 days from the date of Pelco shipment. All goods requiring warranty repair shall be sent freight prepaid to Pelco, Clovis, California. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

Pelco assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the Products. Pelco's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party or product liability, relating to the Products shall not exceed the price paid by the Dealer to Pelco for such Products. In no event will Pelco be liable for any special, incidental or consequential damages (including loss of use, loss of profit and claims of third parties) however caused, whether by the negligence of Pelco or otherwise.

The above warranty provides the Dealer with specific legal rights. The Dealer may also have additional rights, which are subject to variation from state to state.

If a warranty repair is required, the Dealer must contact Pelco at (800) 289-9100 or (559) 292-1981 to obtain a Repair Authorization number (RA), and provide the following information:

1. Model and serial number
2. Date of shipment, P.O. number, Sales Order number, or Pelco invoice number
3. Details of the defect or problem

If there is a dispute regarding the warranty of a product which does not fall under the warranty conditions stated above, please include a written explanation with the product when returned.

Ship freight prepaid to: Pelco
300 West Pontiac Way
Clovis, CA 93612-5699

Method of return shipment shall be the same or equal to the method by which the item was received by Pelco.

RETURNS

In order to expedite parts returned to the factory for repair or credit, please call the factory at (800) 289-9100 or (559) 292-1981 to obtain an authorization number (CA number if returned for credit, and RA number if returned for repair). Goods returned for repair or credit should be clearly identified with the assigned CA/RA number and freight should be prepaid. All merchandise returned for credit may be subject to a 20% restocking and refurbishing charge.

Ship freight prepaid to: Pelco
300 West Pontiac Way
Clovis, CA 93612-5699